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ABSTRACT

The family Delphinidae is the largest family of toothed whales. It includes not only those mammals commonly referred to as dolphins, such as the bottlenosed dolphin often seen in captivity, but also the killer whale. This literature and resources guide is not intended to be a comprehensive bibliography on dolphins; the guide is designed--as the name of the series implies--to put the reader or student "on target." Sections of this bibliography include: (1) introductions to the topic; (2) subject headings used by the Library of Congress, under which books on dolphins can be located in most card, book, and online catalogs; (3) general texts; (4) specialized titles; (5) personal accounts of experiences with dolphins; (6) handbooks; (7) bibliographies; (8) state-of-the-art reviews and conference proceedings; (9) government publications; (10) abstracting and indexing services that index relevant journal articles and other literature on dolphins; (11) journals that often contain relevant articles; (12) representative journal articles; (13) reports and other types of literature; (14) selected technical reports; (15) selected materials available in the Science Reading Room pamphlet boxes; and (16) additional sources of information. (KR)

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DOLPHINS

Compiled by Diana Niskern

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SCOPE: The family Delphinidae is the largest family of toothed whales. It includes not only those mammals commonly referred to as dolphins, such as the bottlenosed dolphin often seen in captivity, but also the killer whale. This literature guide is not intended to be a comprehensive bibliography on dolphins; the guide is designed --as the name of the series implies--to put the reader "on target."

INTRODUCTIONS TO THE TOPIC

The Dolphin report. Sea frontiers, v. 37, Mar./Apr. 1991: 36-55. GC1.S4
Includes articles on dolphin intelligence and communication and on therapeutic swim-with-dolphins programs, plus a collection of news items about dolphins.

Dolphins. In The New book of popular science. v. 5. Danbury, Conn., Grolier, c1990. p. 61-66. Q162.N437 1990*

Würsig, Bernd. Dolphins. Scientific American, v. 240, Mar. 1979: 136-138, 140, 143-146, 148. T1.S5

SUBJECT HEADINGS used by the Library of Congress, under which books on dolphins can be located in most card, book, and online catalogs, include the following:

DOLPHINS (Highly relevant)
ATLANTIC BOTTLENOSED DOLPHINS (Relevant)
BOTTLENOSED DOLPHINS (Relevant)
KILLER WHALE (Relevant)
CETACEA (More general)
MARINE MAMMALS (More general)

GENERAL TEXTS

Baker, Mary L. Dolphins, Delphinidae. In her Whales, dolphins, and porpoises of the world. Garden City, N.Y., Doubleday, 1987. p. 83-163.
QL737.C4B235 1987*

*Available in reference collection, Science Reading Room

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Bonner, W. Nigel. Whales of the world. New York, Facts on File, c1989. 191 p.
Bibliography: p. 186-187. QL737.C4B67 1989*
See especially "The oceanic dolphins" (p. 102-129) and "Killers and their kin" (p. 130-145).

Ellis, Richard. Dolphins and porpoises. New York, Knopf; Distributed by Random House, 1982. 270 p. QL737.C43E44 1982*
References and bibliography: p. 215-258.

Evans, Peter G. H. The natural history of whales & dolphins. New York, Facts on File Publications, c1987. 343 p. QL737.C4E93 1987*
Bibliography: p. 302-335.

The Greenpeace book of dolphins. Edited by John May. New York, Sterling Pub. Co., 1990. 159 p. QL737.C432G74 1990
"Originally published in Great Britain by Century Editions."
Suitable for younger readers. Includes sections on human threats from hunting, fishing, and environmental disruption and on the controversies surrounding military use of dolphins and dolphins in captivity.

Reeves, Randall R., and Stephen Leatherwood. The Sea World book of dolphins. San Diego, Harcourt Brace Jovanovich, c1987. 111 p. QL737.C432R44 1987
Describes the evolution, physical characteristics, habits, natural environment, and conservation of various types of dolphins. Especially suitable for younger readers.

Research on dolphins. Edited by M. M. Bryden, Richard Harrison. Oxford, Eng., Clarendon Press; New York, Oxford University Press, 1986. 478 p.
QL737.C432R47 1986
Technical papers on dolphin anatomy and physiology, dolphins in captivity, and dolphins in the ocean.

SPECIALIZED TITLES

Behavioral biology of killer whales. Editors, Barbara C. Kirkevold and Joan S. Lockard. New York, A.R. Liss, c1986. 457 p. (Zoo biology monographs, v. 1)
Includes bibliographies. QL737.C432B44 1986

The Bottlenose dolphin. Edited by Stephen Leatherwood, Randall R. Reeves. San Diego, Academic Press, c1990. 653 p. QL737.C432B67 1990
Includes bibliographical references.

Donoghue, Michael, and Annie Wheeler. Save the dolphins. Dobbs Ferry, N.Y., Sheridan House, 1990. 119 p., 48 p. of plates. QL737.C432D664 1990
Includes bibliographical references (p. 116-117).

Gormley, Gerard. Orcas of the Gulf: a natural history. San Francisco, Sierra Club Books, c1990. 205 p. QL737.C432G685 1990
Includes bibliographical references (p. 169-199).
Describes killer whales in the western North Atlantic.

Kastner, Paul, Joan Kastner, and Jessica A. Porter. Gentle giants of the sea. By the Whale Museum. 2nd ed. Edited by A. Russ Hoelzel. Friday Harbor, Wash., The Museum, 1986. 132, 48 p. QL737.C4K26 1986
Includes bibliographies.
A teaching tool for the elementary grades that introduces the physical characteristics, habits, and natural environment of various species of whales and dolphins. Also discusses whale lore and history and the relationship of these sea mammals to humans. Includes teacher's notes and a variety of related activities.

PERSONAL ACCOUNTS OF EXPERIENCES WITH DOLPHINS

Hoyt, Erich. The whale called killer. New York, Dutton, c1981. 226 p.
Bibliography: p. 201-215. QL737.C432H69 1981

O'Barry, Richard. Behind the dolphin smile. With Keith Coulbourn. Chapel Hill, N.C., Algonquin Books of Chapel Hill; Dallas, Tex., Taylor Pub. Co., 1988. 252 p.
By the trainer of the television star "Flipper." QL795.D7O23 1988

Ridgway, Sam H. The dolphin doctor: a pioneering veterinarian remembers the extraordinary dolphin that inspired his career. Dublin, N.H., Yankee Books, c1987. 159 p. SF613.R54A3 1987
Story of a young American veterinarian and a Navy research dolphin.

Shane, Susan H. The bottlenose dolphin in the wild. Felton, Calif., Dolphin Book, c1988. 48 p. MLCS 89/15118 (G)

HANDBOOKS

CRC handbook of marine mammal medicine: health, disease, and rehabilitation. Editor, Leslie A. Dierauf. Boca Raton, Fla., CRC Press, c1990. 735 p.
Includes bibliographical references. SF997.5.M35C73 1990

Hoyt, Erich. The whale watcher's handbook. Garden City, N.Y., Doubleday, c1984. 208 p. QL737.C4H68 1984
Bibliography: p. 203-204.

Leatherwood, Stephen, and Randall R. Reeves. The Sierra Club handbook of whales and dolphins. San Francisco, Sierra Club Books, c1983. 302 p.
See especially "The oceanic dolphins": p. 152-261. QL737.C4L33 1983

Minasian, Stanley M., Kenneth C. Balcomb, and Larry A. Foster. Oceanic dolphins. In their The world's whales: the complete illustrated guide. Washington, Smithsonian Books; New York, Distributed by W.W. Norton, c1984. p. 118-185. QL737.C4M66 1984*

BIBLIOGRAPHIES

Bird, James E. Whales, whaling, dolphins, and porpoises: an annotated bibliography. San Diego, American Cetacean Society, 1977. 85 leaves. (American Cetacean Society. Publication, no. ACSSD-1) Z7996.C4B57

Truitt, Deborah. Dolphins and porpoises: a comprehensive, annotated bibliography of the smaller Cetacea. Detroit, Gale Research Co., 1974. 582 p. Z7996.C4T75

Whitfield, William K. An annotated bibliography of dolphin and porpoise families Delphinidae and Platanistidae. St. Petersburg, Marine Research Laboratory, Florida Dept. of Natural Resources, 1971. 104 p. (Marine Research Laboratory, St. Petersburg, Fla. Special scientific report, no. 26)
Z7996.C4W46 and Pamphlet box*

STATE-OF-THE-ART REVIEWS and CONFERENCE PROCEEDINGS

Breeding dolphins: present status, suggestions for the future. Edited by Sam H. Ridgway and Kurt Benirschke. Prepared for Marine Mammal Commission, Washington, D.C. San Diego, Zoological Society of San Diego, Nov. 1977. 308 p. PB-273673**
Contains the proceedings of a Dolphin Breeding Workshop held at the San Diego Zoo under the sponsorship of the Marine Mammal Commission, Dec. 1975.

Dolphin cognition and behavior: a comparative approach. Edited by Ronald J. Schusterman, Jeanette A. Thomas, Forrest G. Wood. Hillsdale, N.J., L. Erlbaum Associates, 1986. 393 p. QL737.C432D65 1986
Papers of a conference held at the Hubbs Marine Research Institute at Sea World in June, 1983.

International Whaling Commission. Report. 1949/50- Cambridge. annual.
SH381.I484

Wells, Randall S., Michael D. Scott, and A. Blair Irvine. The social structure of free-ranging bottlenose dolphins. Current mammalogy, v. 1, 1987: 247-305.
QL700.C87 vol. 1, 1987

GOVERNMENT PUBLICATIONS

Dolphin Protection Consumer Information Act. Washington, U.S. Govt. Print. Off., 1991. 118 p. KF26.C696 1990a

Holt, Rennie S., and Stephanie N. Sexton. Monitoring trends in dolphin abundance in the eastern tropical Pacific using research vessels over a long sampling period: analyses of 1986 data, the first year. In United States. National Marine Fisheries Service. Fishery bulletin, v. 88, no. 1, 1990: 105-111. SH11.A25

Leatherwood, Stephen, David K. Caldwell, and Howard E. Winn. Whales, dolphins, and porpoises of the western North Atlantic: a guide to their identification. With special assistance by William E. Schevill and Melba C. Caldwell. Seattle, U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, 1976. 176 p. (NOAA technical report NMFS CIRC, 396)
QL737.C4L34 and Pamphlet box*

**Available in microform collection, Science Reading Room

United States. Congress. House. Committee on Merchant Marine and Fisheries. Subcommittee on Oversight and Investigations. Mass mortality of bottlenose dolphins in 1987-88: hearings before the Subcommittee on Oversight and Investigations of the Committee on Merchant Marine and Fisheries, House of Representatives, One Hundred First Congress, first session on the conclusions of the clinical investigation of the 1987-88 mass mortality of the bottlenose dolphins along the United States Central and South Atlantic coasts, May 9, 10, 1989. Washington, U.S. Govt. Print. Off., 1989. 302 p. KF27.M474 1989c

Whales, dolphins, and porpoises of the eastern North Pacific and adjacent Arctic waters: a guide to their identification. Stephen Leatherwood and others. With Appendix A on tagging by Larry Hobbs. Seattle, U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, 1982. 245 p. (NOAA technical report NMFS circular, 444) QL737.C4W443 1982

ABSTRACTING AND INDEXING SERVICES that index relevant journal articles and other literature on dolphins are listed below. Some suggested terms are given as aids in searching. The following indexes are available in most public and college libraries:

Applied Science & Technology Index (1913-) Z7913.I7*
See: Dolphins

Biological & Agricultural Index (1916-) Z5073.A46*
See: Dolphins

General Science Index (1978-) Z7401.G46*
See: Dolphins and Porpoises

Magazine Index Available in several formats in LC
See: Dolphins
Bottlenosed Dolphins
Killer Whale

Readers' Guide to Periodical Literature (1900-) AI3.R48
See: Dolphins
Killer Whales

The following abstracting and indexing services, which should be used for more exhaustive searches, may be available only in large or specialized libraries.

Aquatic Sciences and Fisheries Abstracts. Part 1, Biological Sciences and Living Resources (1971-) QH90.A1A68*
See: Headings such as Delphinidae, Orcinus orca, etc. in Taxonomic Index

Biological Abstracts (1926-) QH301.B37*
See: Dolphin(s) and Killer Whale(s) in Subject Index
Names of individual species in Generic Index

Note: Consult reference librarian for location of abstracting and indexing services in the Science Reading Room.

Index Medicus (1960-) Z6660.I422*
See: Dolphins

Oceanic Abstracts (1964-) GC1.O24*
See: Marine Mammals in Subject Index
Taxonomic names in Organism Index

Science Citation Index (1961-) Z7401.S365*
See especially Permuterm Subject Index (1966-) for entries under keywords of interest

Wildlife Review (1935-) SK351.W58*
See: Marine Mammals section
Names of individual species in Systematic Index - Mammals

Zoological Record (1864-) Z7991.Z87*
See section 19, Mammalia, for entries under Delphinidae in Systematic Index or under scientific name in Index to Genera

Online data bases may be available in some libraries. Data bases likely to be useful for topics related to dolphins include Aquatic Sciences and Fisheries Abstracts, BIOSIS Previews, Life Sciences Collection, MEDLINE, NTIS, SCISEARCH, and Zoological Record Online.

JOURNALS that often contain relevant articles include the following:

Acoustical Society of America. Journal QC221.A4
Aquatic Mammals Not in LC collection
Cetology QL737.C4C38
Investigations on Cetacea QL737.C4P55
Collected works edited by G. Pilleri
Marine Mammal Science QL713.2.M33
Oceanus GC1.O35
Sea Frontiers GC1.S4
Tokyo. Whales Research Institute. Scientific Reports QL737.C4T5
Whalewatcher; Journal of the American Cetacean Society QL737.C4W45

REPRESENTATIVE JOURNAL ARTICLES

Asper, Edward D., W. Glenn Young, and Michael T. Walsh. Observations on the birth and development of a captive-born killer whale. International zoo yearbook, v. 27, 1988: 295-304. QL76.I55 1987*

Coe, James M., David B. Holts, and Richard W. Butler. The "tuna-porpoise" problem: NMFS dolphin mortality reduction research, 1970-81. Marine fisheries review, v. 46, no. 3, 1984: 18-33. SH11.A4463

Forcier-Beringer, Ann G. Talking with dolphins. Sea frontiers/sea secrets, v. 32, Mar./Apr. 1986: 84-92. GC1.S4

Hand, Douglas. Keeping an ear on Orcas. Oceans, v. 20, July/Aug. 1987: 10-19, 59. GC1.O34

Hoyt, Erich. The whales called "killer." National geographic, v. 166, Aug. 1984: 220-237. G1.N27

Moore, P. W. B., and others. The critical interval in dolphin echolocation: what is it? In Acoustical Society of America. Journal, v. 76, July 1984: 314-317. QC221.A4

Pryor, Karen, and others. A dolphin-human fishing cooperative in Brazil. Marine mammal science, v. 6, Jan. 1990: 77-82. QL713.2.M33

Shane, Susan H., Randall S. Wells, and Bernd Würsig. Ecology, behavior and social organization of the bottlenose dolphin: a review. Marine mammal science, v. 2, Jan. 1986: 34-63. QL713.2.M33
Includes extensive bibliography.

REPORTS and other types of literature are indexed in the following guides:

Government Reports Announcements & Index (1946-) Z7916.G78*
See: Dolphins (Mammals)

Monthly Catalog of United States Government Publications (1895-) Z1223.A18*
See: Dolphins

SELECTED TECHNICAL REPORTS, sold by the National Technical Information Service, Springfield, Virginia 22161, include the following:

Gilpatrick, James W., and others. Summary of distribution records of the spinner dolphin, Stenella longirostris, and the pantropical spotted dolphin, S. attenuata, from the western Pacific Ocean, Indian Ocean and Red Sea. La Jolla, CA, Southwest Fisheries Center, National Marine Fisheries Service, NOAA, Oct. 1987. 43 p. (NOAA-TM-NMFS-SWFC-89) PB88-160189**

Hill, P. Scott, Alan Jackson, and Tim Gerrodette. Report of a marine mammal survey of the eastern tropical Pacific aboard the research vessel McArthur, July 29-December 7, 1989. La Jolla, CA, National Marine Fisheries Service, Southwest Fisheries Center, June 1990. 141 p. (NOAA-TM-NMFS-SWFC-143) PB90-246828**

Pawloski, Deborah A. Combined stimulus control of peak frequency and source level in the echolocating dolphin (Tursiops truncatus). San Diego, CA, Naval Ocean Systems Center, Mar. 1988. 24 p. AD-A209 267**

Wilson, Carrie E., and others. Summary of worldwide locality records of the striped dolphin, Stenella coeruleoalba. La Jolla, CA, National Marine Fisheries Service, Southwest Fisheries Center, Dec. 1987. 71 p. (NOAA-TM-NMFS-SWFC-90) PB88-217468**

**Available in microform collection, Science Reading Room

SELECTED MATERIALS available in the Science Reading Room pamphlet boxes include

Annotated bibliography of publications from the US Navy's Marine Mammal Program. San Diego, Naval Ocean Systems Center, July 1985. 56 p. (NOSC technical document 627, revision A)

Blaylock, Robert A. Distribution and abundance of the bottlenose dolphin, Tursiops truncatus (Montagu, 1921), in Virginia. In United States. National Marine Fisheries Service. Fishery bulletin, v. 86, Oct. 1988: 797-805.

Ford, John K. B. Family fugues. Natural history, v. 100, Mar. 1991: 68-70, 72-74, 76.

Kaplan, Justine. The day of the dolphins. Omni, v. 11, June 1989: 42-44, 46, 48, 94-96.

Morrison, David C. Marine mammals join the Navy. Science, v. 242, Dec. 16, 1988: 1503-1504.

Quammen, David. Who swims with the tuna? Outside, v. 15, Dec. 1990: 31-35.

Tyack, Peter L., and Laela S. Sayigh. Those dolphins aren't just whistling in the dark. Oceanus, v. 32, spring 1989: 80-83.

Wells, Randall S. Secrets of a high society. National wildlife, v. 27, Aug./Sept. 1989: 38-44.

ADDITIONAL SOURCES OF INFORMATION

American Cetacean Society
P.O. Box 2639
San Pedro, CA 90731
Telephone: (213) 548-6279

Center for Marine Conservation
1725 DeSales St., NW
Washington, DC 20036
Telephone: (202) 429-5609

Interspecies Communication, Inc.
273 Hidden Meadow
Friday Harbor, WA 98250
Telephone: (206) 378-5186

To identify the current addresses of other relevant organizations and research projects, consult Conservation Directory (S920.C64*), Encyclopedia of Associations (AS22.E5*), Research Centers Directory (AS25.D5*), and Life Sciences Organizations and Agencies Directory (QH321.L54 1988*) under such keywords as Dolphin(s), Cetacea(ns), and Marine Mammals.